

Title (en)
REFRIGERATOR WITH PARTITION

Title (de)
KÜHLSCHRANK MIT TRENNWAND

Title (fr)
RÉFRIGÉRATEUR AVEC PARTITION

Publication
EP 3929509 A4 20220420 (EN)

Application
EP 20763875 A 20200219

Priority
• CN 201910143331 A 20190226
• CN 2020075886 W 20200219

Abstract (en)
[origin: EP3929509A1] Provided is a refrigerator (10), including: a cabinet (100) in which a cooling chamber (200) located at a lower side and at least one storage compartment located above the cooling chamber (200) are defined, a bottom air inlet (110a) and a bottom air outlet (110b) being provided in a bottom of the cabinet (100) in a transverse direction at an interval; a compressor chamber (300) arranged behind the cooling chamber (200), in which a compressor (104), a heat dissipation fan (106) and a condenser (105) are sequentially arranged; and a divider (117) configured to completely isolate the bottom air inlet (110a) from the bottom air outlet (110b), such that external air entering the condenser (105) and heat dissipation air discharged from the compressor (104) are not crossed. In the refrigerator (10), the freezing chamber (132) is raised, a user has no need to bend down much to access to the freezing chamber (132), and the use experience is improved. In addition, by the divider (117), the bottom air inlet (110a) and the bottom air outlet (110b) are completely separated, so that the external air entering the condenser (105) and the heat dissipation air discharged from the compressor (104) are not crossed.

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Citation (search report)
• [X] JP 2003329359 A 20031119 - SHARP KK
• [X] JP 2009030864 A 20090212 - HITACHI APPLIANCES INC
• [X] KR 20060078134 A 20060705 - SAMSUNG ELECTRONICS CO LTD [KR]
• [X] JP 2002295954 A 20021009 - MATSUSHITA REFRIGERATION
• [X] DE 2458981 A1 19760616 - BOSCH SIEMENS HAUSGERAETE
• [A] DE 19933603 A1 20010118 - AEG HAUSGERAETE GMBH [DE]
• [A] CN 201706812 U 20110112 - HEFEI MIDEA ROYALSTAR FRIDGE, et al
• [A] CN 108444168 A 20180824 - QINGDAO HAIER CO LTD
• See references of WO 2020173359A1

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